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PTO-1390 (Rev. 07-2005)  
Approved for use through 3/31/2007. OMB 0651-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER S001-P16 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/561021</b>
INTERNATIONAL APPLICATION NO. PCT/GB2004/002712	INTERNATIONAL FILING DATE 23 JUN 2004	PRIORITY DATE CLAIMED 25 JUN 2003
TITLE OF INVENTION APPARATUS FOR PROVIDING OPTICAL RADIATION		
APPLICANT(S) FOR DO/EO/US Malcolm Paul VARNHAM		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input checked="" type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; margin-top: 5px;">10/561021</div>	INTERNATIONAL APPLICATION NO. PCT/GB2004/002712	ATTORNEY'S DOCKET NUMBER S001-P16										
20. Other items or information: Return receipt postcard (2 ea) Certificate of Express Mailing Copy of Int'l Search Report and Written Opinion of ISA												
The following fees have been submitted		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 60%;">CALCULATIONS</th> <th style="width: 40%;">PTO USE ONLY</th> </tr> </table>	CALCULATIONS	PTO USE ONLY								
CALCULATIONS	PTO USE ONLY											
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 300</td> <td style="width: 40%;"></td> </tr> </table>	\$ 300									
\$ 300												
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 200</td> <td style="width: 40%;"></td> </tr> </table>	\$ 200									
\$ 200												
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 400</td> <td style="width: 40%;"></td> </tr> </table>	\$ 400									
\$ 400												
<b>TOTAL OF 21, 22 and 23 =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$900</td> <td style="width: 40%;"></td> </tr> </table>	\$900									
\$900												
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 40%;"></td> </tr> </table>										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Total Sheets</th> <th style="width: 15%;">Extra Sheets</th> <th style="width: 30%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width: 40%;">RATE</th> </tr> <tr> <td>19 - 100 =</td> <td>/50 =</td> <td></td> <td>x \$250</td> </tr> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	19 - 100 =	/50 =		x \$250	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 0</td> <td style="width: 40%;"></td> </tr> </table>		\$ 0	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE									
19 - 100 =	/50 =		x \$250									
\$ 0												
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$</td> <td style="width: 40%;"></td> </tr> </table>	\$									
\$												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">CLAIMS</th> <th style="width: 15%;">NUMBER FILED</th> <th style="width: 15%;">NUMBER EXTRA</th> <th style="width: 40%;">RATE</th> </tr> <tr> <td>Total claims</td> <td>25 - 20 =</td> <td>5</td> <td>x \$ 50</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	25 - 20 =	5	x \$ 50	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 250</td> <td style="width: 40%;"></td> </tr> </table>		\$ 250	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE									
Total claims	25 - 20 =	5	x \$ 50									
\$ 250												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Independent claims</th> <th style="width: 15%;">NUMBER FILED</th> <th style="width: 15%;">NUMBER EXTRA</th> <th style="width: 40%;">RATE</th> </tr> <tr> <td></td> <td>1 - 3 =</td> <td>0</td> <td>x \$200</td> </tr> </table>	Independent claims	NUMBER FILED	NUMBER EXTRA	RATE		1 - 3 =	0	x \$200	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 0</td> <td style="width: 40%;"></td> </tr> </table>		\$ 0	
Independent claims	NUMBER FILED	NUMBER EXTRA	RATE									
	1 - 3 =	0	x \$200									
\$ 0												
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">+ \$360</td> <td style="width: 40%;">\$ 0</td> </tr> </table>	+ \$360	\$ 0								
+ \$360	\$ 0											
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 1150</td> <td style="width: 40%;"></td> </tr> </table>	\$ 1150									
\$ 1150												
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">575</td> <td style="width: 40%;"></td> </tr> </table>	575									
575												
<b>SUBTOTAL =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 575</td> <td style="width: 40%;"></td> </tr> </table>	\$ 575									
\$ 575												
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$</td> <td style="width: 40%;"></td> </tr> </table>	\$									
\$												
<b>TOTAL NATIONAL FEE =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 575</td> <td style="width: 40%;"></td> </tr> </table>	\$ 575									
\$ 575												
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 40</td> <td style="width: 40%;"></td> </tr> </table>	\$ 40									
\$ 40												
<b>TOTAL FEES ENCLOSED =</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">\$ 615</td> <td style="width: 40%;"></td> </tr> </table>	\$ 615									
\$ 615												
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Amount to be refunded:</td> <td style="width: 40%;">\$</td> </tr> </table>	Amount to be refunded:	\$								
Amount to be refunded:	\$											
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Amount to be charged</td> <td style="width: 40%;">\$</td> </tr> </table>	Amount to be charged	\$								
Amount to be charged	\$											

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- a. ☒ A check in the amount of \$ 615 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. \_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

John S. Reid  
Reidlaw, LLC  
1926 S. Valleyview Lane  
Spokane, WA 99212-0157  
Ph: (509) 534-5789  
Fax: (509) 532-0351

  
\_\_\_\_\_  
SIGNATURE

John S. Reid  
NAME

36,369  
REGISTRATION NUMBER

Date: 16 DEC. 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

INVENTORSHIP ..... VARNHAM, Malcolm, Paul  
U.S. SERIAL NO..... n/a  
PCT APPLICATION NO. .... PCT/GB2004/002712  
INTERNATIONAL FILING DATE ..... 23 June 2004  
ATTORNEY DOCKET NO. .... SO01-P16  
TITLE: **APPARATUS FOR PROVIDING OPTICAL RADIATION**

**CERTIFICATE OF EXPRESS MAILING**

I hereby declare that I have deposited the below-listed papers with the United States Postal Service "Express Mail Post Office to Addressee" service, addressed and posted as indicated below, in compliance with 37 CFR 1.10. The Express Mail label No. has been placed on one or more of the papers listed.

Express Mail Number: ED 814360014 US  
Date of Deposit: December 16, 2005  
Deposited By: ☒ Delivery to Postal Employee  
☐ Placed in Drop Box  
Addressee: Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

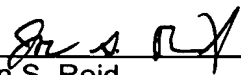
**Listing Of Items Enclosed In Mailing:**

1. Return Receipt Postcard (2 ea)
2. Check for \$615.00
3. Transmittal Letter to the DO/EO/US Concerning Submission under 35 USC 371 (3 pages)
4. Certificate of Express Mailing (1 page)
5. Preliminary Amendment (7 pages)
6. Declaration of Sole Inventor (4 pages)
7. Specification (14 pages, including cover sheet and claims 1-25)
8. Drawings (5 sheets, Figs. 1-21)
9. Copy of PCT publication WO 2005/002008 A2, corresponding to PCT/GB2004/002712
10. Information Disclosure Statement, including USPTO Form 1449 and copies of cited references
11. Copy of International Search Report and Written Opinion of ISA
12. Assignment and Assignment Recordation Cover Sheet (5 pages)
13. Power of Attorney from Assignee (2 pages)
14. Statement under 37 CFR 3.73(b) from Assignee

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statement may jeopardize the validity of the application or any patent issued therefrom.

Dated this 16th day of December, 2005.

Dated at Spokane, Washington

  
\_\_\_\_\_  
John S. Reid